

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Chapter 3 Remediation Worksheet**

Form G

**Do you know HOW to?****Is each number a solution of the given inequality?**

1.  $4y + 3 \leq -7$

a.  $-3$

b.  $-1$

c.  $3$

2.  $-6x + 2 > 5$

a.  $-3$

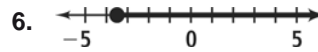
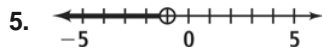
b.  $-4\frac{1}{2}$

c.  $-0.5$

**Write an inequality to model each situation.**

3. The cost of a gym membership is no more than \$45.

4. You must be at least 54" tall to ride this ride.

**Write an inequality for each graph.****Solve each inequality. Graph the solution.**

7.  $-20 \leq 5y$

8.  $-9 < 3n < 18$

9.  $-3 < 5c + 7 < 22$

10.  $-6b > 42$  or  $4b > -4$

11.  $4 - x > 3$

12.  $6y - 8 \leq 10$

13.  $f \geq -5f + 36$

14.  $-\frac{3}{5}x < 24$

Algebra 1-2

**Solve each inequality. Check your solution.**

15.  $3x - 8 < -2x + 22$

16.  $2(d + 5) - 1 < 3$

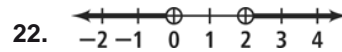
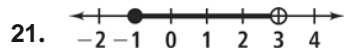
17.  $3(x - 4) < -15$

18.  $2(5y + 13) - 5.7 < 20.3$

19.  $7x + 2(3x - 11) \leq 17$

20.  $6(x - 11) - 4x < -72$

**Write a compound inequality that each graph could represent.**



**Solve each equation. Check your solutions. Remember to rewrite as 2 equations once the absolute value is isolated.**  $|x| = b \Rightarrow x = b$  OR  $x = -b$

23.  $|5x + 13| = -7$

24.  $2 = |w - 13|$

25.  $|4x + 1| - 3 = 26$

26.  $5|8 - y| = 30$

27. Sharon earns \$15 per item she sells plus a base salary of \$75 per week. Write and solve an inequality to find out how many items she needs to sell to earn at least \$900 per week.

28. A box of cereal should have a mass of 397 g. The quality control inspector measures the mass of every fiftieth box. The inspector rejects any box that is not within 10 g of the ideal mass. Find the range of acceptable masses. Write and solve an absolute value inequality for this situation.

**Reflection Sheet** – Please fill in the table below:

This is to remind yourself of your efforts on homework. Did you make corrections on problems with which you had difficulty?

Section	Topic	Assignment	Corrections made? Yes/No
3.1	Inequalities & Their Graphs	p. 168-170 (8-38 evens, 44-50 evens, 60)	
3.1	Review Section 3.1	Worksheet 3.1	
3.2	One Step Inequalities (+ and -)	Worksheet 3.2	
3.3	One Step Inequalities (* and ÷)	Worksheet 3.3	
3.4	Multi-Step Inequalities	Worksheet 3.4 day 1	
3.4	Multi-Step Inequalities	Worksheet 3.4 day 2	
		After-Quiz Worksheet	
3.6	Compound Inequalities (and)	Worksheet 3.6 day 1	
3.6	Compound Inequalities (or)	Worksheet 3.6 day 2	
3.7	Absolute Value Equations	Worksheet 3.7	
Review	3.1-3.7	Review Packet	

There were 11 homework assignments this chapter.

How many did you **COMPLETE** on time? \_\_\_\_/11 assignments

How many times did you get help outside of class (Resource center, me, website, etc.)?

\_\_\_\_\_ Times

How often did you participate during class (*Circle one*)?

Almost Every Day / Every Few Days / A Couple of Times / Never

What grade do you think you will get on the Chapter 3 Retest (*Give as a %*)? Why?